

Inventors: Steward et al.
Attorney Docket: P-AR 4802

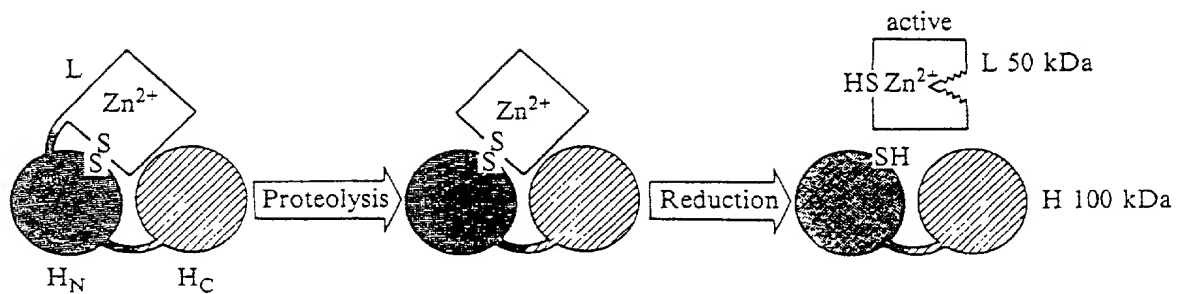


FIGURE 1

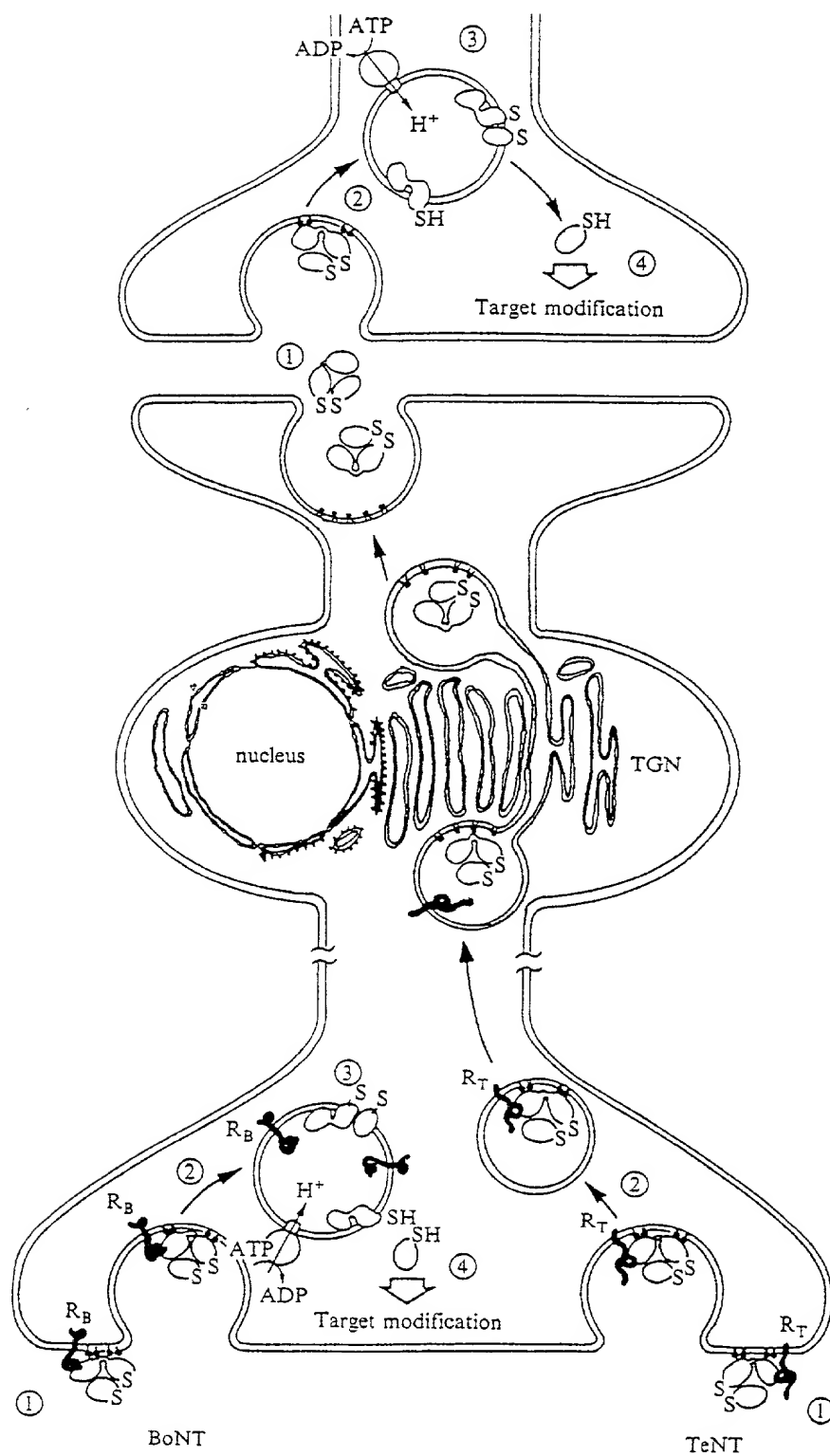


FIGURE 2

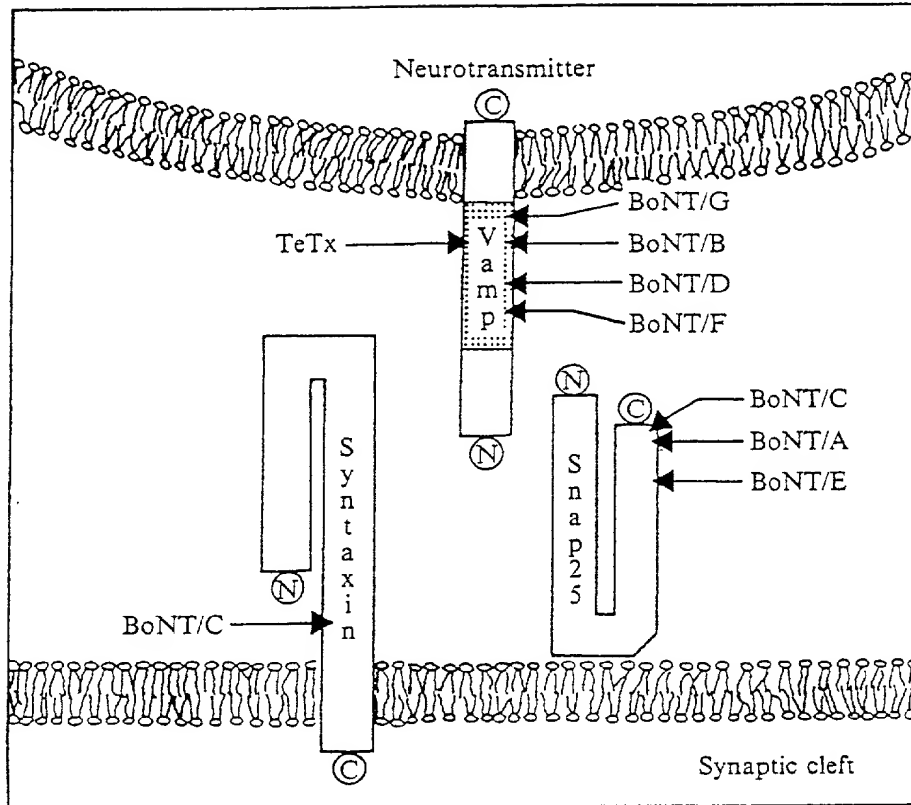
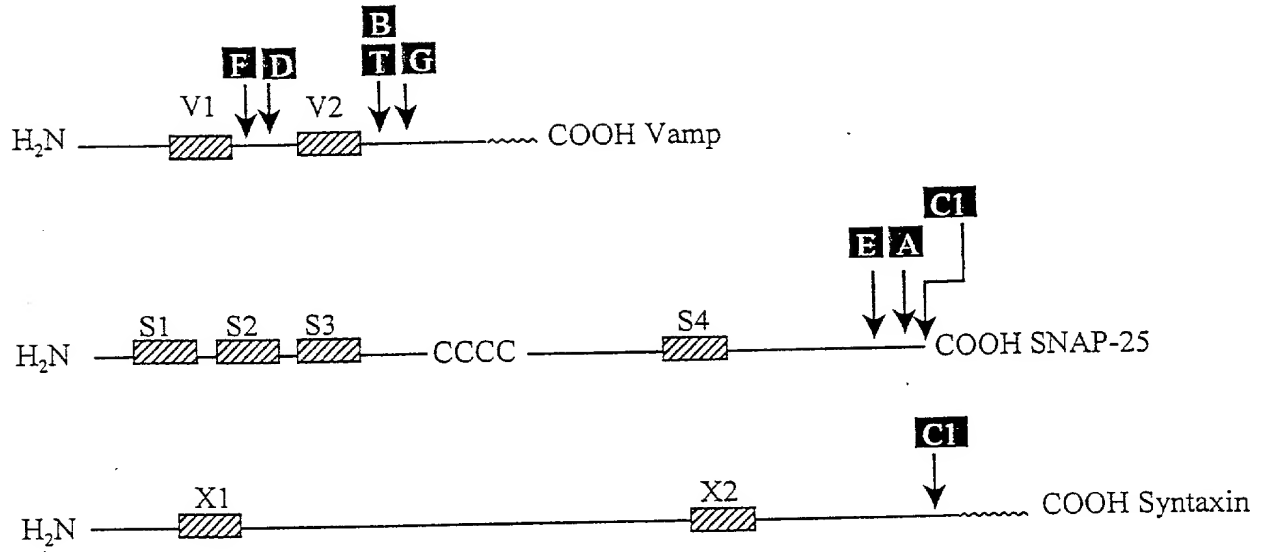
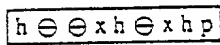


FIGURE 3

A.



B.



C.

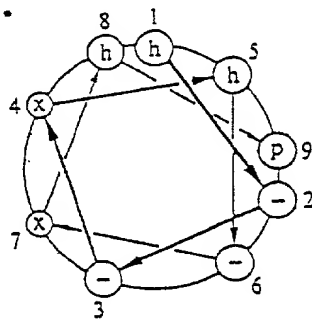


FIGURE 4

1

SNAP-25 Human (1) -----MAEDADWNELEEMQRRADQIADDESLESTRMLOLVEESKDAIGRTIWMLEQGEQOLBEIEEGNDQOIN

SNAP-25 Mouse (1) -----MAEDADWNELEEMQRRADQIADDESLESTRMLOLVEESKDAIGRTIWMLEQGEQOLBEIEEGNDQOIN

SNAP-25 Drosophila (1) MPADPSEVAVQVPKTELEELQINAQVADDESLESTRMLOLVEESKEAGRTIVALDDQGEQOLBEIEEGNDQOIN

SNAP-25 Goldfish (1) -----MADADWNELEIDMQARADQIQDESLESTRMLOLVEESKDAIGRTIWMLEQGEQOLBEIEEGNDQOIN

SNAP-25 Sea Urchin (1) -----MEDQNDMMKSELEETQOSNMOTDESLESTRMLOLVAEESQDVGIKTIWMLEQGEQOLBEIEEGNDQOIN

SNAP-25 Chicken (1) -----MAEDADWNELEEMQRRADQIADDESLESTRMLOLVEESKDAIGRTIWMLEQGEQOLBEIEEGNDQOIN

150

76

SNAP-25 Human (69) KDMKEAEKNLIDLGKFCGLCVCPGN---KLKSSDAYKKAQNNQDGVWAS--QPARVWDERBQMAISGGGTRRRVTV

SNAP-25 Mouse (69) KDMKEAEKNLIDLGKFCGLCVCPGN---KLKSSDAYKKAQNNQDGVWAS--QPARVWDERBQMAISGGGTRRRVTV

SNAP-25 Drosophila (76) ADMREAEKNISGMKCCGICVLPCKNSQSFEDDG--TTKGNDDGKVNNQPORVMDDRNGMMAQAGYTGRTIT

SNAP-25 Goldfish (69) KDMKEAEKNLIDLGMLCGLCPOPCN---KLKGG---GQSGNNQDGVWSS--QPARVWDERBQMAISGGGTRRRVTV

SNAP-25 Sea Urchin (71) TDMREAEKNLTGLEKCCGICVCPWKKLGNFEKGDDYKTKTKGNDGKVNSHQPMRVEDDQCGCGNASMTIRITIN

SNAP-25 Chicken (69) QDMKEAEKNLIDLGKCCGLFICPCN---KLKSSDAYKKAQNNQDGVWAS--QPARVWDERBQMAISGGGTRRRVTV

225

151

SNAP-25 Human (140) DARENWDENLEQVSGIIGNLREWALDWGNEIDTQNRQIDRIMEKADSNKTRIDEAN---QRA TKMLGSG--

SNAP-25 Mouse (140) DARENWDENLEQVSGIIGNLREWALDWGNEIDTQNRQIDRIMEKADSNKTRIDEAN---QRA TKMLGSG--

SNAP-25 Drosophila (148) DAREDEWEENMGQVNTMIIGNLREWALDWGSELENNQVRQIDRINRKGSNEARLAVAN---QRAHOLLK--

SNAP-25 Goldfish (137) DARENWDENLEQVSGIIGNLREWALDWGNEIDTQNRQIDRIMDADSNKTRIDEAN---QRA TKMLGSG--

SNAP-25 Sea Urchin (146) DAREDEWENLITQVSSIVGNLREWALDWQSEIGAQNSQVRITTSKAENEGRINSAD---KRAKNILRNK--

SNAP-25 Chicken (140) DARENWDENLEQVSGIIGNLREWALDWGNEIDTQNRQIDRIMEKLIPIKPGMLKPTSVQPCSAVVVKCSKVHFL

260

226

SNAP-25 Human (207) -----

SNAP-25 Mouse (207) -----

SNAP-25 Drosophila (213) -----

SNAP-25 Goldfish (204) -----

SNAP-25 Sea Urchin (213) -----

SNAP-25 Chicken (215) LMLSORAVPSCFYHGIIYLLGLHTTCTYQPHCKCCPV

FIGURE 5

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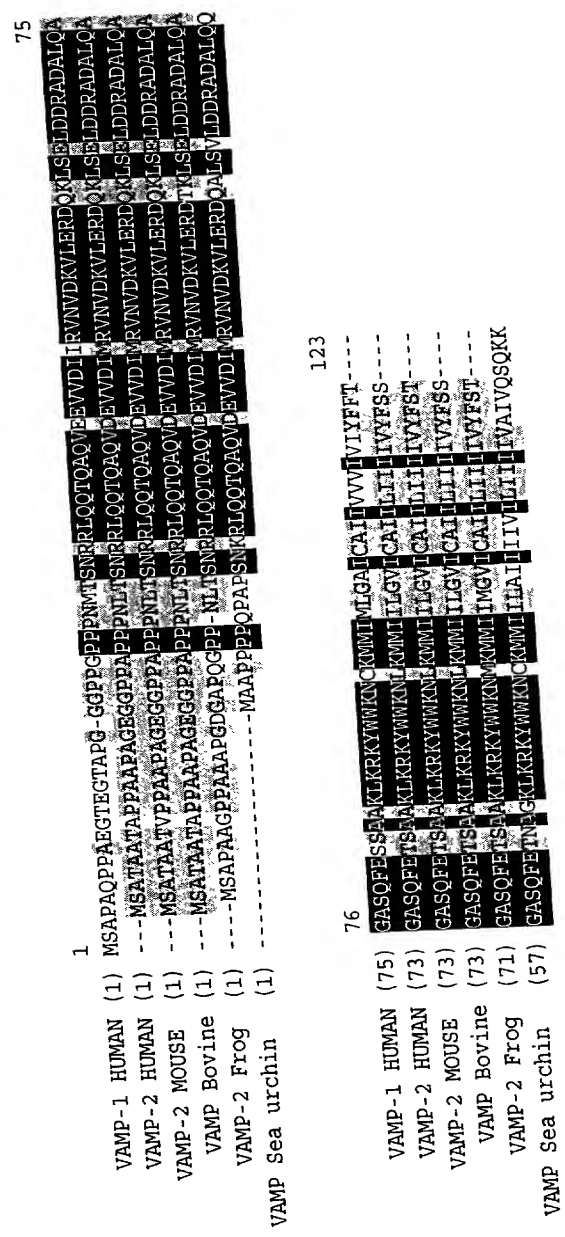


FIGURE 6

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[illegible]

	151		225
Syntaxin 1A human	(148)	RIQRIQEIIGRTTTSSELEDMLESNPATFASGIMDSSISKQALSPETRTSEITIKLENSIRELHDNFM	DVAMIL
Syntaxin 1B2 human	(147)	RIQRIQEIIGRTTINNEELEDLESKLAFITDDIKWDSQTKQALNETITRENEITIKLESIRELHDNFM	DVAMIL
Syntaxin 1A mouse	(148)	RIQRIQEIIGRTTTSSELEDMLESNPATFASGIMDSSISKQALSPETRTSEITIKLESIRELHDNFM	DVAMIL
Syntaxin 1A drosophila	(151)	RIQRIQEIIGRTPTDDEEMLEGNSSVFTQGHIMETQAKQALDTEARQDITKLESIRELHDNFM	DVAMIL
Syntaxin 1A c. elegans	(149)	RIQRQIDIAKQGVGDELEEMLEGNSSVFTQGHITDTQAKQALDTEARQDITKLESIRELHDNFM	DVAMIL
Syntaxin Sea urchin	(148)	RIQRQLEIICKSTTDARELEDMLESNPATFASGIMDTSQAKQALRTTEARQDITKLESIRELHDNFM	DVAMIL

	226	VESQGEMLDRIEYNVEHADVWEVSDTKKATVKYQSARKRKIMIIICCVILGIVIASVTGGIFA--	293
Syntaxin 1A human	(223)	VESQGEMLDRIEYNVEHADVWEVSDTKKATVKYQSARKRKIMIIICCVILGIVIASVTGGIFA--	
Syntaxin 1B2 human	(222)	VESQGEMLDRIEYNVHSVDVBEHVSDTKKAVKYQSARKRKIMIIICCVILGVVLASSTGGTLGL-	
Syntaxin 1A mouse	(223)	VESQGEMLDRIEYNVEHADVWEVSDTKKATVKYQSARKRKIMIIICCVILGIIITASTTGIGFPG--	
Syntaxin 1a drosophila	(226)	VESQGEMLDRIEYNVEHADVWQTQTDIKVALKYQSARKRKIMIIICLVLTGIIIAASVVSSYFMV-	
Syntaxin A C. elegans	(224)	VESQGEMLDRIEYNVEHAKENDEVDADTKKATVKYQSARKRKICLITGVLTGIIITGLIIFLFYAKVL	
Syntaxin Sea urchin	(223)	VESQGEMLDRIEYNVESQVDVWEVSKMDTKKATVKYQSARKRKFIATCCGVAGIINVLVIIVLA--	

FIGURE 7